

*Pedes antici* gracillimi. *Abdomen maris* lanceolatum, segmentis a tertio ad sextum coalitis.

1. *Arcania Erinaceus*, Herbst. Corpore atque membris densè spinosis, spinis spinulosis.
2. *Arcania 11-spinosa*, De Haan. "Thorace spinuloso, spinulis obtusis, ambitu 11-spinoso, spinis acutis simplicibus; brachiis granulatis, digitis manibus longioribus."
3. *Arcania novem-spinosa*, Adams & White. "Thorace lævi, granuloso, marginibus latero-anterioribus spinis duabus, latero-posterioribus spinis duabus, posteriore spinâ longâ rectâ."
4. *Arcania septem-spinosa*, Bell. Testâ paulò latiore quam longiore, tuberculatâ, margine spinis septem tuberculatis armato, laterali utrinque reliquis longiore.
5. *Arcania tuberculata*, Bell. Testâ paulò longiore quam latiore, omnino tuberculatâ, margine spinis novem tuberculatis instructo; brachiis granulatis, manibus lævibus.
6. *Arcania gracilipes*, Bell. Testâ granulosâ, tuberculis quindecim suprâ, et tribus ad marginem posteriorem instructâ; pedibus anticis tenuissimis.
7. *Arcania levimana*, Bell. Testâ granulatâ, tuberculis numerosis distinctis, ad marginem spinis novem simplicibus armatâ; manibus glabris.

Genus *IPHIS*, Leach. *Testa* rhomboidalis, transversa, angulis rotundatis, utrinque spinâ longissimâ horizontali armata; fronte emarginato.

Species unica, *Iphis septemspinosa*, Fabr.

Genus *IXA*, Leach. *Testa* elliptico-rhomboidalis, processu utrinque subcylindrico à regione branchiali producto; regionibus sulco profundo separatis. *Orbita* suprâ bifissa. *Pedipalpi externi* caule exteriori lato, interiori longiore. *Pedes* filiformes.

Species unica, *Ixa cylindrus*, Fabr.

Read also, a "Notice of a species of Carabideous Insect, *Helluo (Acanthogenys) myrmecophilus*, Westw., found together with its larva, in Ants' nests in Ceylon, by G. H. K. Thwaites, Esq., F.L.S." By J. O. Westwood, Esq., F.L.S. This paper was accompanied by figures of the larva and imago states of the insect.

#### ZOOLOGICAL SOCIETY.

June 27, 1854.—Dr. Gray, Vice-President, in the Chair.

#### DESCRIPTIONS OF THREE NEW SPECIES OF TITMICE.

By FREDERIC MOORE.

Fam. PIPRIDÆ, Vigors. Subfam. PARIANA.

Genus ORITES, Mœhring.

#### 1. ORITES? LEUCOGENYS, Moore.

Colour above grey, tinged with pinkish on the rump: before the eye and a broad streak over it black, passing to mixed black and grey on the nape; the centre of the head dusky reddish-isabelline; base

of lower mandible, below the eyes; ear-coverts and sides of the neck white; chin and throat jet-black; abdomen pale pinkish-isabelline; wings dusky and having an isabelline tinge, the winglet and coverts of the primaries black; the primaries and secondaries fringed externally with grey; axillæ white; tail dusky, tinged with isabelline, the outer feathers graduated and obliquely tipped externally with white, the centre feathers margined with grey. Bill black; feet yellowish-brown.

Length  $4\frac{1}{2}$  inches; of wing  $2\frac{1}{8}$ th; of tail  $2\frac{1}{4}$ ; the three outer feathers graduated, the middle pair  $\frac{2}{10}$ ths shorter than the next; bill to frontal plumes  $\frac{2}{10}$ ths; to gape  $\frac{5}{12}$ ths; height from chin to front  $\frac{2}{12}$ ths; and tarse  $\frac{1}{12}$ ths of an inch.

*Hab.* Afghanistan. In the Museum of the East India Company. "Found in pairs, in the woods above Balu Chughur, at 4000 feet elevation. Irides straw-colour." Griffith, MSS. Notes.

This species is allied in colour to *O. jouschistos*, Hodgson, from which it may at once be distinguished by its broad, thick and higher bill, by its white cheeks and ear-coverts, and by its black chin and throat; and from *O. erythrocephalus*, Vigors, by its larger size, by the absence of the white superciliary streak, white chin, black ear-coverts, &c. On the habits of the latter species I beg to quote the following remarks made by Capt. Hutton, in 'Journ. A. S. Bengal,' 1848, p. 689. He says, "It is common at Mussooree, and in the hills generally throughout the year. It breeds in April and May; the situation chosen is various, as one taken in the former month at Mussooree at 7000 feet elevation, was placed on the side of a bank among overhanging coarse grass; while another taken in the latter month at 5000 feet, was built among some ivy turning round a tree, and at least 14 feet from the ground. The nest is in shape a round ball with a small lateral entrance, and is composed of green mosses warmly lined with feathers. The eggs are five in number, white with a pinkish tinge, and sparingly sprinkled with lilac spots or specks, and having a well-defined lilac ring at the larger end. Diameter  $\frac{8}{16} \times \frac{6}{16}$  in."

## 2. ORITES (?) GLAUCOGULARIS, Gould, MS.

Colour above greyish-ash; crown black, with a broad pale-buff line extending down the centre; forehead and lores isabelline; base of lower mandible, ear-coverts, chin, breast, and middle of belly buff colour; rump, upper tail-coverts, flanks and sides of belly pinkish-isabelline, brightening to ferruginous on the vent and under tail-coverts; throat of a silvery or bluish-ash; sides of the neck below the ear-coverts whitish; wings brownish-black, coverts and speculars quite black, primaries and secondaries margined with greyish-white; axillæ and edge of shoulder white; tail black, the four outer feathers obliquely across both webs white. Bill black, and thick as in *O. leucogenys*; legs dark brown.

Length  $4\frac{1}{2}$  inches; of wing  $2\frac{1}{8}$ th; tail  $2\frac{1}{2}$ ; its outermost feather

1 inch shorter; bill to frontal plumes  $\frac{2}{10}$ ths; to gape  $\frac{5}{12}$ ths; and tarse  $\frac{7}{12}$ ths of an inch.

*Hab.* China. In the collection of John Gould, Esq.

3. *ORITES* (?) *NIVEOGULARIS*, Gould, MS.

Forehead white, passing to buff-brown on the back of the head, nape, and fore-part of the back, and thence to the tail grey, tinged with isabelline on the rump; lores, over the eyes and ear-coverts black, passing into the brown on the nape; ear-coverts blackish anteriorly and brownish-buff posteriorly, and somewhat striped longitudinally with white; base of lower mandible, chin, throat, fore-part of breast, and sides of the neck to the nape behind the ear-coverts snowy-white, and contrasting with a brownish band which runs from the nape across the middle of the breast; the lower part of the breast with the abdomen pale pinky-isabelline passing to white in the middle of the belly: wings brown, margined with greyish-white, coverts and speculars blackish: tail dusky-black, margined externally with greyish-white, its outermost feathers white on the outer web. Bill black, longish, and slender as in *O. jouschistos*, Hodgson; feet yellowish.

Length  $4\frac{1}{2}$  inches; of wing  $2\frac{1}{2}$ ; tail  $2\frac{5}{8}$ ths, its outermost feather  $\frac{1}{2}$  inch shorter; bill to frontal plumes  $\frac{3}{10}$ ths to  $\frac{5}{10}$ ths; tarse  $\frac{7}{12}$ ths of an inch.

*Hab.* N. India. In the collection of John Gould, Esq.

*Remark.*—These three new species, together with *O. erythrocephalus*, Vigors, and *O. jouschistos*, Hodgs., will, I believe, upon further examination, prove to form two separate divisions, distinct from the genus *Orites*; the species named *erythrocephalus*, *leucogenys*, and *glaucogularis* forming one division, and *jouschistos* with *niveogularis* the second.

NOTICE OF SOME IMPERFECTLY-KNOWN SPECIES OF BIRDS CONTAINED IN THE MUSEUM OF THE HON. EAST INDIA COMPANY. BY FREDERIC MOORE.

Fam. MERULIDÆ, Vigors.

Subfam. BRACHYPODINA, Swainson.

Genus *IXULUS*, Hodgson, P. Z. S. (1845) p. 23.

1. *IXULUS OCCIPITALIS*, Blyth.

*Siva occipitalis*, Blyth, J. A. S. Beng. xiii. p. 937. (1844.)

*Ixulus occipitalis*, Blyth, J. A. S. Beng. xiv. p. 552. xvi. p. 448;

Cat. B. Mus. A. S. Beng., p. 100.

*Hab.* Sikim, Nepal. (No. 955, Hodgson's Catalogue.)

“Colour dull brownish olive-green above, the shafts of the dorsal and scapular feathers pale; below much lighter and rufescent, the throat whitish, the feathers of the fore-neck having dark shafts: crown, nape, and lower tail-coverts ferruginous-brown, which also

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